

Title (en)

HALOGEN-FREE, FLAME RETARDANT COMPOSITION COMPRISING CROSSLINKED SILANE-g-EVA

Title (de)

HALOGENFREIE FLAMMHEMMENDE ZUSAMMENSETZUNG MIT VERNETZTEM SILAN-G-EVA

Title (fr)

COMPOSITION RETARDATRICE DE FLAMME, EXEMPTÉ D'HALOGÈNE, COMPRENANT SILANE-G-EVA RÉTICULÉ

Publication

EP 2576694 B1 20150121 (EN)

Application

EP 10851940 A 20100524

Priority

CN 2010073106 W 20100524

Abstract (en)

[origin: WO2011147068A1] Halogen-free, flame retardant compositions comprising in weight percent based on the weight of the composition: A. 20 to 60% TPU/Si-g-EVA polymer blend in which the Si-g-EVA is crosslinked, B. 1 to 25% organic phosphate ester, C. 30 to 60% metal hydrate, and D. 0.1 to 10% epoxidized novolac. Optionally, the compositions further comprise in weight percent based on the weight of the composition, one or more of: E. 0.01 to 0.5% anti-dripping agent, F. 0.1 to 2% additive; and G. 0.1 to 5% filler.

IPC 8 full level

C08L 75/04 (2006.01); **C08L 31/04** (2006.01); **C09K 21/14** (2006.01); **H01B 7/295** (2006.01)

CPC (source: EP KR US)

C08F 18/08 (2013.01 - KR); **C08K 5/09** (2013.01 - KR); **C08K 5/521** (2013.01 - KR); **C08K 5/54** (2013.01 - KR); **C08L 31/04** (2013.01 - KR); **C08L 75/04** (2013.01 - KR); **C08L 75/06** (2013.01 - EP US); **C09J 171/08** (2013.01 - KR); **C09K 21/12** (2013.01 - EP US); **H01B 7/295** (2013.01 - EP KR US)

C-Set (source: EP US)

C08L 75/06 + C08L 31/04

Cited by

WO2019115723A1; US11512192B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

WO 2011147068 A1 20111201; BR 112012029894 A2 20170711; BR 112012029894 B1 20190625; CA 2798662 A1 20111201; CA 2798662 C 20170523; CN 103261324 A 20130821; CN 103261324 B 20141210; EP 2576694 A1 20130410; EP 2576694 A4 20140312; EP 2576694 B1 20150121; JP 2013533898 A 20130829; JP 5559427 B2 20140723; KR 101825242 B1 20180202; KR 20130108094 A 20131002; MX 2012013563 A 20130124; TW 201144417 A 20111216; US 2013059943 A1 20130307; US 9318240 B2 20160419

DOCDB simple family (application)

CN 2010073106 W 20100524; BR 112012029894 A 20100524; CA 2798662 A 20100524; CN 201080068222 A 20100524; EP 10851940 A 20100524; JP 2013511494 A 20100524; KR 20127033184 A 20100524; MX 2012013563 A 20100524; TW 100117186 A 20110517; US 201013695862 A 20100524